

## WHAT IS CLAIMED IS:

1        1.     A method for providing one click printing, comprising:  
2                providing a document identifier for a document to a print job acceptor using a  
3        single user action; and  
4                acquiring and printing the document by the print job acceptor based upon the  
5        provided document identifier.

1        2.     The method of claim 1 wherein the document identifier comprises a  
2        uniform resource locator.

1        3.     The method of claim 2 wherein the single user action comprises  
2        clicking on the uniform resource locator.

1        4.     The method of claim 3 wherein the providing comprises sending the  
2        uniform resource locator to the print job acceptor.

1        5.     The method of claim 2 wherein the single user action comprises  
2        displaying a context menu associated with the uniform resource locator and  
3        selecting to direct print the document identified by the uniform resource locator using  
4        a single operation of a cursor control device.

1        6.     The method of claim 5 wherein the providing comprises sending the  
2        uniform resource locator to the print job acceptor based upon the selection of the  
3        direct print of the document.

1        7.     The method of claim 5 wherein cursor control device comprises a  
2 computer mouse and the single operation comprises depressing a mouse button to  
3 cause the context menu to be displayed and releasing the mouse button with the  
4 cursor positioned over a direct print menu selection to cause the direct print of the  
5 document identified by the uniform resource locator to be selected.

1        8.     The method of claim 1 further comprising configuring an application for  
2 one click printing prior to providing a document identifier.

1        9.     The method of claim 8 wherein the configuring an application for one  
2 click printing comprises installing an application plug-in for interpreting the user  
3 actions.

1        10.    The method of claim 9 wherein the installing further comprises  
2 selecting a print job acceptor for providing one click printing.

1        11.    The method of claim 9 wherein the installing further comprises  
2 displaying a menu for selecting a print job acceptor for providing one click printing.

1        12.    The method of claim 1 wherein the installing further comprises sending  
2 a query to all print job acceptors to determine whether a print job acceptor supports  
3 direct printing.

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1        13. The method of claim 1 wherein the providing a document identifier for  
2 a document to a print job acceptor using a single user action further comprises  
3 selecting a document, determining whether the selected document can be handled  
4 by the print job acceptor and submitting the document identifier to the print job  
5 acceptor for acquiring and printing the document when the document can be  
6 handled by the print job acceptor.

1           14. The method of claim 13 further comprising determining whether a plug-  
2 in for handling the data is installed and submitting the document identifier to the print  
3 job acceptor for acquiring and printing the document when the plug-in for handling  
4 the document is installed.

1        15. The method of claim 14 further comprising displaying a menu for  
2 selecting viewing or printing the document when the plug-in for handling the  
3 document is installed.

1        16. A plug-in for providing one click printing, comprising:  
2            an analyzer for analyzing a position of a cursor to obtain a document identifier  
3            associated with a document to be printed;  
4            an interpreter for interpreting a user's actions to determine when the user has  
5            selected to print a document associated with the document identifier using a single  
6            user action; and  
7            a pull print requester for sending the obtained document identifier to a print  
8            job acceptor when the interpreter has determined that the user has selected to print  
9            a document associated with the document identifier using a single user action.

1        17. The plug-in of claim 16 wherein the pull print request causes a print job  
2            acceptor to acquire and print the document based upon the provided document  
3            identifier.

1        18. The plug-in of claim 16 wherein the document identifier comprises a  
2            uniform resource locator.

1        19. The plug-in of claim 18 wherein the single user action comprises  
2            clicking on the uniform resource locator.

1        20. The plug-in of claim 19 wherein the pull print requester sends the  
2            uniform resource locator to the print job acceptor.

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1        21. The plug-in of claim 18 wherein the interpreter displays a context menu  
2        associated with the uniform resource locator and interprets a user's single operation  
3        of a cursor control device to direct print the document identified by the uniform  
4        resource locator.

1        22. The plug-in of claim 21 wherein the pull print requester sends the  
2        uniform resource locator to the print job acceptor based upon the user's single  
3        operation of the cursor control device to direct print the document.

1        23. The plug-in of claim 21 wherein cursor control device comprises a  
2        computer mouse and the single operation comprises depressing a mouse button to  
3        cause the context menu to be displayed and releasing the mouse button with the  
4        cursor positioned over a direct print menu selection to cause the direct print of the  
5        document identified by the uniform resource locator to be selected.

1        24. An article of manufacture comprising a program storage medium  
2        readable by a computer, the medium tangibly embodying one or more programs of  
3        instructions executable by the computer to perform a method for providing one click  
4        printing, the method comprising:

5                providing a document identifier for a document to a print job acceptor using a  
6        single user action; and

7                acquiring and printing the document by the print job acceptor based upon the  
8        provided document identifier.

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1        25. The article of manufacture of claim 24 wherein the document identifier  
2    comprises a uniform resource locator.

1        26. The article of manufacture of claim 24 wherein the single user action  
2    comprises clicking on the uniform resource locator.

1        27. The article of manufacture of claim 26 wherein the providing comprises  
2    sending the uniform resource locator to the print job acceptor.

1        28. The article of manufacture of claim 25 wherein the single user action  
2    comprises displaying a context menu associated with the uniform resource locator  
3    and selecting to direct print the document identified by the uniform resource locator  
4    using a single operation of a cursor control device.

1        29. The article of manufacture of claim 28 wherein the providing comprises  
2    sending the uniform resource locator to the print job acceptor based upon the  
3    selection of the direct print of the document.

1        30. The article of manufacture of claim 28 wherein cursor control device  
2    comprises a computer mouse and the single operation comprises depressing a  
3    mouse button to cause the context menu to be displayed and releasing the mouse  
4    button with the cursor positioned over a direct print menu selection to cause the  
5    direct print of the document identified by the uniform resource locator to be selected.

1        31. The article of manufacture of claim 24 further comprising configuring  
2    an application for one click printing prior to providing a document identifier.

1       32. The article of manufacture of claim 31 wherein the configuring an  
2 application for one click printing comprises installing an application plug-in for  
3 interpreting the user actions.

1       33. The article of manufacture of claim 32 wherein the installing further  
2 comprises selecting a print job acceptor for providing one click printing.

1       34. The article of manufacture of claim 32 wherein the installing further  
2 comprises displaying a menu for selecting a print job acceptor for providing one click  
3 printing.

1       35. The article of manufacture of claim 24 wherein the installing further  
2 comprises sending a query to all print job acceptors to determine whether a print job  
3 acceptor supports direct printing.

1       36. The article of manufacture of claim 24 wherein the providing a  
2 document identifier for a document to a print job acceptor using a single user action  
3 further comprises selecting a document, determining whether the selected document  
4 can be handled by the print job acceptor and submitting the document identifier to  
5 the print job acceptor for acquiring and printing the document when the document  
6 can be handled by the print job acceptor.

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1        37. The article of manufacture of claim 36 further comprising determining  
2 whether a plug-in for handling the document is installed and submitting the  
3 document identifier to the print job acceptor for acquiring and printing the document  
4 when the plug-in for handling the document is installed.

1        38. The article of manufacture of claim 37 further comprising displaying a  
2 menu for selecting viewing or printing the document when the plug-in for handling  
3 the document is installed.